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                   of publication
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 NEWS 13 FEB 29   WPINDEX/WPIDS/WPIX enhanced with ECLA and current
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 NEWS 14 MAR 31   IFICDB, IFIPAT, and IFIUDB enhanced with new custom
                   IPC display formats
 NEWS 15 MAR 31   CAS REGISTRY enhanced with additional experimental
                   spectra
 NEWS 16 MAR 31   CA/CAplus and CASREACT patent number format for U.S.
                   applications updated
 NEWS 17 MAR 31   LPCI now available as a replacement to LDPCI
 NEWS 18 MAR 31   EMBASE, EMBAL, and LEMBASE reloaded with enhancements
 NEWS 19 APR 04   STN AnaVist, Version 1, to be discontinued
 NEWS 20 APR 15   WPIDS, WPINDEX, and WPIX enhanced with new
                   predefined hit display formats

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=> file embase biosis caplus medline
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FILE 'MEDLINE' ENTERED AT 11:15:30 ON 15 APR 2008

=> s universal(a)sirna
L1   1 UNIVERSAL(A) SIRNA

=> d ti so au py

L1   ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN
TI   A universal plasmid library encoding all permutations of small interfering
     RNA
SO   Proceedings of the National Academy of Sciences of the United States of
     America (2005), 102(7), 2356-2361
     CODEN: PNASA6; ISSN: 0027-8424
AU   Chen, Meihong; Zhang, Lishu; Zhang, Hong-Yan; Xiong, Xiahui; Wang, Bo; Du,
     Quan; Lu, Bing; Wahlestedt, Claes; Liang, Zicai
PY   2005

=> d ibib abs kwic

L1   ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2005:196152 CAPLUS
DOCUMENT NUMBER: 142:405079
TITLE: A universal plasmid library encoding all permutations
                         of small interfering RNA
AUTHOR(S):   Chen, Meihong; Zhang, Lishu; Zhang, Hong-Yan; Xiong,
                         Xiahui; Wang, Bo; Du, Quan; Lu, Bing; Wahlestedt,
                         Claes; Liang, Zicai
CORPORATE SOURCE: Chinese Human Genome Center North Beijing, Beijing,
                         100176, Peop. Rep. China
SOURCE: Proceedings of the National Academy of Sciences of the
                         United States of America (2005), 102(7), 2356-2361
                         CODEN: PNASA6; ISSN: 0027-8424
PUBLISHER: National Academy of Sciences
DOCUMENT TYPE: Journal
LANGUAGE: English
AB   Small interfering RNA (siRNA) is normally designed to silence preselected
     known genes. Such selections are inevitably prone to bias as a result of
     limited knowledge about the biol. process, transcript identity, and
     functions. A library that contains all permutations of siRNA could avoid
     such problems. In this paper, it is shown that 5 + 107
     siRNA-encoding plasmids can be constructed in a single tube by using
     vectors with two mutated RNA polymerase III promoters arranged in a

```
        convergent manner.  Such a library was used to carry out genomewide
        screening of functional genes in a phenotype-driven manner.  Multiple
        siRNAs that induce a significant increase of cell proliferation speed were
        identified.
REFERENCE COUNT:        22    THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS
                              RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
IT   Nucleic acid library
        (siRNA; universal plasmid library encoding all
        permutations of small interfering RNA)


=> s ley herbert/au
L2          0 LEY HERBERT/AU

=> e ley herbert/au
E1          2      LEY HELMUTH/AU
E2          1      LEY HENRY A/AU
E3          0 --> LEY HERBERT/AU
E4         13      LEY HERBERT L/AU
E5          3      LEY HERBERT L III/AU
E6          4      LEY HERBERT L JR/AU
E7          1      LEY HERBERT LEONARD III/AU
E8          3      LEY HERBERTL/AU
E9          7      LEY HERM/AU
E10         5      LEY HERMANN/AU
E11         1      LEY HIRAM II/AU
E12         1      LEY HUBERT/AU

=> s e4-8
L3         24 ("LEY HERBERT L"/AU OR "LEY HERBERT L III"/AU OR "LEY HERBERT L
              JR"/AU OR "LEY HERBERT LEONARD III"/AU OR "LEY HERBERTL"/AU)

=> s l3 and (sirna or rnai)
L4          0 L3 AND (SIRNA OR RNAI)

=> e liwen huang/au
E1          2      LIWEN DONG DR/AU
E2          2      LIWEN GUO/AU
E3          0 --> LIWEN HUANG/AU
E4          2      LIWEN I/AU
E5         14      LIWEN IZABELA/AU
E6          1      LIWEN KANG/AU
E7          1      LIWEN L/AU
E8          1      LIWEN LAN/AU
E9          1      LIWEN LANG/AU
E10         1      LIWEN W/AU
E11         2      LIWEN WANG/AU
E12         1      LIWEN Y WANG/AU

=> s universal(a)target
L5         98 UNIVERSAL(A) TARGET

=> s l5 and (antisense or ribozyme or sirna or dsrna)
L6          8 L5 AND (ANTISENSE OR RIBOZYME OR SIRNA OR DSRNA)

=> dup rem l6
PROCESSING COMPLETED FOR L6
L7          5 DUP REM L6 (3 DUPLICATES REMOVED)

=> d ti so au py 1-5

L7   ANSWER 1 OF 5  CAPLUS  COPYRIGHT 2008 ACS on STN
```

```
TI   Methods and of siRNA in inhibiting gene expression for use in
     cancer therapy
SO   PCT Int. Appl., 79pp.
     CODEN: PIXXD2
IN   Fakhrai, Habib; Fakhrai, Farideh
PY   2008


L7   ANSWER 2 OF 5  CAPLUS  COPYRIGHT 2008 ACS on STN  DUPLICATE 1
TI   Thermodynamic instability of siRNA duplex is a prerequisite for
     dependable prediction of siRNA activities
SO   Nucleic Acids Research (2007), 35(18), e123/1-e123/10
     CODEN: NARHAD; ISSN: 0305-1048
AU   Ichihara, Masatoshi; Murakumo, Yoshiki; Masuda, Akio; Matsuura, Toru;
     Asai, Naoya; Jijiwa, Mayumi; Ishida, Maki; Shinmi, Jun; Yatsuya, Hiroshi;
     Qiao, Shanlou; Takahashi, Masahide; Ohno, Kinji
PY   2007


L7   ANSWER 3 OF 5  EMBASE  COPYRIGHT (c) 2008 Elsevier B.V. All rights
     reserved on STN                                  DUPLICATE 2
TI   Thermodynamic instability of siRNA duplex is a prerequisite for
     dependable prediction of siRNA activities.
SO   Nucleic Acids Research, (Sep 2007) Vol. 35, No. 18. arn. e123.
     Refs: 38
     ISSN: 0305-1048  E-ISSN: 1362-4962  CODEN: NARHAD
AU   Ichihara, Masatoshi; Qiao, Shanlou
CS   Department of Biomedical Sciences, College of Life and Health Sciences,
     Chubu University, 1200 Matsumoto, Kasugai 487-8501, Japan.
AU   Ichihara, Masatoshi; Murakumo, Yoshiki; Asai, Naoya; Jijiwa, Mayumi;
     Ishida, Maki; Takahashi, Masahide
CS   Department of Pathology, Nagoya University Graduate School of Medicine, 65
     Tsurumai, Showa-ku, Nagoya 466-8550, Japan.
AU   Masuda, Akio; Matsuura, Toru; Shinmi, Jun; Ohno, Kinji (correspondence)
CS   Division of Neurogenetics and Bioinformatics, Center for Neurological
     Diseases and Cancer, 65 Tsurumai, Showa-ku, Nagoya 466-8550, Japan.
     ohnok@med.nagoya-u.ac.jp
AU   Yatsuya, Hiroshi
CS   Department of Public Health/Health Information Dynamics, Field of Social
     Life Science, Program in Health and Community Medicine, 65 Tsurumai,
     Showa-ku, Nagoya 466-8550, Japan.
AU   Takahashi, Masahide
CS   Division of Molecular Pathology, Center for Neurological Diseases and
     Cancer, Nagoya University Graduate School of Medicine, 65 Tsurumai,
     Showa-ku, Nagoya 466-8550, Japan.
AU   Ohno, Kinji (correspondence)
CS   Division of Neurogenetics and Bioinformatics, Center for Neurological
     Diseases and Cancer, Nagoya University Graduate School of Medicine, 65
     Tsurumai, Showa-ku, Nagoya 466-8550, Japan. ohnok@med.nagoya-u.ac.jp
PY   2007


L7   ANSWER 4 OF 5  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Universal target sequences for siRNA gene
     silencing
SO   PCT Int. Appl., 89 pp.
     CODEN: PIXXD2
IN   Honigman, Alik; Panet, Amos; Levaot, Noam
PY   2005
     2005
     2007
     2007


L7   ANSWER 5 OF 5  EMBASE  COPYRIGHT (c) 2008 Elsevier B.V. All rights
     reserved on STN                                  DUPLICATE 3
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TI    Telomere maintenance mechanisms as a target for drug development.
SO    Oncogene, (27 Dec 2000) Vol. 19, No. 56, pp. 6632-6641.
      Refs: 121
      ISSN: 0950-9232  CODEN: ONCNES
AU    Bearss, D.J.; Hurley, L.H.; Von Hoff, D.D. (correspondence)
CS    Arizona Cancer Center, University of Arizona, 1515 N. Campbell Ave.,
      Tucson, AZ 85724, United States.
PY    2000


=> s fusion# and sirna
L8        1141 FUSION# AND SIRNA

=> s l8 and reporter and assay
L9          32 L8 AND REPORTER AND ASSAY

=> d l9 and (rapid or screening or throughput)
'AND' IS NOT A VALID FORMAT
'(RAPID' IS NOT A VALID FORMAT
'OR' IS NOT A VALID FORMAT
'SCREENING' IS NOT A VALID FORMAT
'OR' IS NOT A VALID FORMAT
'THROUGHPUT)' IS NOT A VALID FORMAT
In a multifile environment, a format can only be used if it is valid
in at least one of the files.  Refer to file specific help messages
or the STNGUIDE file for information on formats available in
individual files.
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REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):d ti 1
'D' IS NOT A VALID FORMAT
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individual files.
REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):ti 1
'1' IS NOT A VALID FORMAT
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or the STNGUIDE file for information on formats available in
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L9    ANSWER 1 OF 32  EMBASE  COPYRIGHT (c) 2008 Elsevier B.V. All rights
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TI    A specific role of AGS3 in the surface expression of plasma membrane
      proteins.


=> s l9 and (rapid or screening or throughput)
L10         6 L9 AND (RAPID OR SCREENING OR THROUGHPUT)

=> dup rem l10
PROCESSING COMPLETED FOR L10
L11         6 DUP REM L10 (0 DUPLICATES REMOVED)

=> d ti so au py 1-6

L11   ANSWER 1 OF 6  CAPLUS  COPYRIGHT 2008 ACS on STN
TI    Methods for in vitro screening of compounds inhibiting
      production of infectious HIV-1 virions and compounds identified by said
      method
SO    PCT Int. Appl., 110pp.
```

```
      CODEN: PIXXD2
IN    Berlioz-Torrent, Clarisse; Benarous, Richard; Lopez-Verges, Sandra
PY    2007
      2008
      2007


L11   ANSWER 2 OF 6  CAPLUS  COPYRIGHT 2008 ACS on STN
TI    Polynucleotide and polypeptide sequences for gene NPC1L1, NPC1L1 protein
      inhibitors, and diagnostic and therapeutic uses thereof
SO    PCT Int. Appl., 239 pp.
      CODEN: PIXXD2
IN    Ioannou, Yiannis; Davies, Joanna P.
PY    2006
      2006
      2007


L11   ANSWER 3 OF 6  CAPLUS  COPYRIGHT 2008 ACS on STN
TI    Flow cytometry for assessment of the efficacy of siRNA
SO    Cytometry, Part A (2006), 69A(10), 1054-1061
      CODEN: CPAYAV; ISSN: 1552-4922
AU    Ho, Hung-Yao; Cheng, Mei-Ling; Wang, Yi-Hui; Chiu, Daniel Tsun-Yee
PY    2006


L11   ANSWER 4 OF 6  CAPLUS  COPYRIGHT 2008 ACS on STN
TI    Reporter gene methods for high-throughput selection of
      effective RNAi for gene silencing
SO    PCT Int. Appl., 59 pp.
      CODEN: PIXXD2
IN    Mittal, Vivek; Kumar, Rajeev
PY    2004
      2005
      2005


L11   ANSWER 5 OF 6  BIOSIS  COPYRIGHT (c) 2008 The Thomson Corporation  on STN
TI    Direct repression of FLIP expression by c-myc is a major determinant of
      TRAIL sensitivity.
SO    Molecular and Cellular Biology, (October 2004) Vol. 24, No. 19, pp.
      8541-8555. print.
      ISSN: 0270-7306 (ISSN print).
AU    Ricci, M. Stacey; Jin, Zhaoyu; Dews, Michael; Yu, Duonan;
      Thomas-Tikhonenko, Andrei; Dicker, David T.; El-Deiry, Wafik S. [Reprint
      Author]
PY    2004


L11   ANSWER 6 OF 6     MEDLINE on STN
TI    Using DNA microarray to identify Sp1 as a transcriptional regulatory
      element of insulin-like growth factor 1 in cardiac muscle cells.
SO    Circulation research, (2003 Dec 12) Vol. 93, No. 12, pp. 1202-9.
      Electronic Publication: 2003-10-30.
      Journal code: 0047103. E-ISSN: 1524-4571.
AU    Li Tao; Chen Yung-Hsiang; Liu Tsun-Jui; Jia Jia; Hampson Steven; Shan
      Yue-Xin; Kibler Dennis; Wang Ping H
PY    2003


=> d ibib 111 4


L11   ANSWER 4 OF 6  CAPLUS  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:       2004:1127480  CAPLUS
DOCUMENT NUMBER:        142:69881
TITLE:                  Reporter gene methods for high-
                        throughput selection of effective RNAi for
```

```
                        gene silencing
INVENTOR(S):            Mittal, Vivek; Kumar, Rajeev
PATENT ASSIGNEE(S):     Cold Spring Harbor Laboratory, USA
SOURCE:                 PCT Int. Appl., 59 pp.
                        CODEN: PIXXD2
DOCUMENT TYPE:          Patent
LANGUAGE:               English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE       APPLICATION NO.        DATE
     ---------------     ----   --------   --------------------   --------
     WO 2004111190       A2     20041223   WO 2004-US16844        20040526
     WO 2004111190       A3     20050414
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             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
             TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
             AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
             EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
             SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
             SN, TD, TG
     US 20050042641      A1     20050224   US 2004-854777         20050525
PRIORITY APPLN. INFO.:                     US 2003-473809P    P  20030527



=> d his

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     FILE 'EMBASE, BIOSIS, CAPLUS, MEDLINE' ENTERED AT 11:15:30 ON 15 APR 2008
L1          1 S UNIVERSAL(A)SIRNA
L2          0 S LEY HERBERT/AU
            E LEY HERBERT/AU
L3         24 S E4-8
L4          0 S L3 AND (SIRNA OR RNAI)
            E LIWEN HUANG/AU
L5         98 S UNIVERSAL(A)TARGET
L6          8 S L5 AND (ANTISENSE OR RIBOZYME OR SIRNA OR DSRNA)
L7          5 DUP REM L6 (3 DUPLICATES REMOVED)
L8       1141 S FUSION# AND SIRNA
L9         32 S L8 AND REPORTER AND ASSAY
L10         6 S L9 AND (RAPID OR SCREENING OR THROUGHPUT)
L11         6 DUP REM L10 (0 DUPLICATES REMOVED)

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